Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	568	(428/692 or "64.5") and ferrite	USPAT; US-PGPUB	OR	OFF	2005/02/16 14:08
S1	1	("20040214047").PN.	USPAT; US-PGPUB	OR	OFF	2005/02/07 11:01
S2	0	("6387510or5997977or6187407or6214429or6303528or6277465or6277484or6332338or20010022705").PN.	USPAT; US-PGPUB	OR	OFF	2004/11/15 17:37
S3	65	"6387510" or "5997977" or "6187407" or "6214429" or "6303528" or "6277465" or "6277484" or "6332338" or "20010022705"	USPAT	OR	OFF	2004/11/15 18:48
S4	6	"203045"	USPAT	OR	OFF	2005/02/15 19:39
S5	0	(GLASS w1 SUBSTRATE) and hirataka and takashi and tetsuo and ken	USPAT	OR	OFF	2004/11/15 17:56
S6	1	"20010022705"	US-PGPUB	OR	OFF	2004/11/15 18:11
S7	1	"20040157085"	USPAT; US-PGPUB	OR	OFF	2005/02/07 14:33
S8	4872	"428"/$ and ferrite	USPAT; US-PGPUB	OR	OFF	2005/02/09 14:13
S9	4438	"428"/$ and ferrite and (particle or grain)	USPAT; US-PGPUB	OR	ON	2005/02/09 12:25
S10	597	S9 and anisotropy	USPAT; US-PGPUB	OR	ON	2005/02/07 18:09
S11	86	S10 and (uniaxial same anisotropy)	USPAT; US-PGPUB	OR	ON	2005/02/04 14:43
S12	53	S11 and parallel	USPAT; US-PGPUB	OR	ON	2005/02/04 14:43
S13	18	S11 and isotropic	USPAT; US-PGPUB	OR	ON	2005/02/04 14:44
S14	34	S11 and ("Fe" and "Ni" and "Zn" and "Co")	USPAT; US-PGPUB	OR	ON	2005/02/09 14:13
S15	32	S11 and ("Fe" and "Ni" and "Zn" and "O")	USPAT; US-PGPUB	OR	ON	2005/02/04 14:45
S16	32	S14 and S15	USPAT; US-PGPUB	OR	ON	2005/02/04 15:22
S17	1	"20040238796"	USPAT; US-PGPUB	OR	ON	2005/02/04 15:06
S18	4	"3038006"	USPAT; US-PGPUB; DERWENT	OR	ON	2005/02/04 15:23
S19	28	"4171231"	USPAT	OR	OFF	2005/02/08 20:08
S20	11	"4837046"	USPAT	OR	OFF	2005/02/07 11:02

S21	1	"20040238796"	USPAT; US-PGPUB	OR	OFF	2005/02/07 18:05
S22	0	"428"/$ and ferrite and ("axis of easy magnetization")	USPAT; US-PGPUB	OR	OFF	2005/02/07 18:08
S23	0	"428"/$ and ("axis of easy magnetization")	USPAT; US-PGPUB	OR	OFF	2005/02/07 18:07
S24	666	"428"/$ and ("easy magnetization")	USPAT; US-PGPUB	OR	OFF	2005/02/07 18:08
S25	209	S24 and ferrite	USPAT; US-PGPUB	OR	OFF	2005/02/07 18:08
S26	170	S25 and 428/694$	USPAT; US-PGPUB	OR	OFF	2005/02/07 18:08
S27	90	S26 and anisotropy	USPAT; US-PGPUB	OR	ON	2005/02/07 18:09
S28	70	S27 and (particle or grain)	USPAT; US-PGPUB	OR	ON	2005/02/07 18:10
S29	65	S28 and ("Ni" or "Zn" or "NiZn")	USPAT; US-PGPUB	OR	ON	2005/02/07 18:11
S30	41	S28 and (("Ni" and "Zn") or ("NiZn"))	USPAT; US-PGPUB	OR	ON	2005/02/07 18:11
S31	41	S30 and "Co"	USPAT; US-PGPUB	OR	ON	2005/02/07 20:14
S32	32	("428"/$) and ("easy magnetization") and ("Co" with ion)	USPAT; US-PGPUB	OR	OFF	2005/02/07 20:17
S33	3	S32 and ferrite	USPAT; US-PGPUB	OR	OFF	2005/02/07 20:17
S34	1	"20030003324"	USPAT; US-PGPUB	OR	ON	2005/02/08 15:44
S35	348	Abe and magnetic and ferrite	USPAT; US-PGPUB	OR	ON	2005/02/08 15:45
S36	31	S35 and anisotropy	USPAT; US-PGPUB	OR	ON	2005/02/08 15:45
S37	2	"20040238796" or "20030003324"	USPAT; US-PGPUB	OR	OFF	2005/02/08 20:09
S38	1	S37 and isotropic	USPAT; US-PGPUB	OR	OFF	2005/02/08 20:17
S39	2	S37 and uniaxial	USPAT; US-PGPUB	OR	OFF	2005/02/08 20:18
S40	2	"20040238796" or "20030003324"	USPAT; US-PGPUB	OR	OFF	2005/02/10 12:05
S41	2	S40 and uniaxial	USPAT; US-PGPUB	OR	OFF	2005/02/09 12:18
S42	2	S40 and "Co"	USPAT; US-PGPUB	OR	OFF	2005/02/09 12:18
S43	5379	("428"/$ or "427"/$)and ferrite and (particle or grain)	USPAT; US-PGPUB	OR	ON	2005/02/09 12:26

S44	2070	S43 and (crystal or lattice)	USPAT; US-PGPUB	OR	ON	2005/02/09 12:28
S45	1661	S44 and (magnetic)	USPAT; US-PGPUB	OR	ON	2005/02/09 12:27
S46	17	S45 and ((crystal or plane or lattice) with ("222" or "311"))	USPAT; US-PGPUB	OR	ON	2005/02/09 14:12
S47	5	S45 and ((crystal or plane or lattice) with ("222" and "311"))	USPAT; US-PGPUB	OR	ON	2005/02/09 13:00
S48	0	"10362229"	USPAT; US-PGPUB	OR	ON	2005/02/09 13:00
S49	9	"362229"	USPAT; US-PGPUB	OR	ON	2005/02/09 13:00
S50	5379	("428"/$ or "427"/$)and ferrite and (particle or grain)	USPAT; US-PGPUB	OR	ON	2005/02/09 14:12
S51	2070	S50 and (crystal or lattice)	USPAT; US-PGPUB	OR	ON	2005/02/09 14:12
S52	1661	S51 and (magnetic)	USPAT; US-PGPUB	OR	ON	2005/02/09 14:12
S53	17	S52 and ((crystal or plane or lattice) with ("222" or "311"))	USPAT; US-PGPUB	OR	ON	2005/02/09 14:12
S54	17	S53 and ferrite	USPAT; US-PGPUB	OR	OFF	2005/02/09 14:13
S55	14	S54 and ("Fe" and "Ni" and "Zn" and "Co")	USPAT; US-PGPUB	OR	ON	2005/02/09 14:14
S56	1	"6159594"	USPAT; US-PGPUB	OR	OFF	2005/02/10 12:08
S57	1	S56 and ratio	USPAT; US-PGPUB	OR	OFF	2005/02/10 12:08
S58	2579	(428/611 or 428/328 or 428/329 or 428/402 or 428/694$ or 428/492 or 428/493 or 428/900) and ferrite	USPAT; US-PGPUB	OR	ON	2005/02/11 15:34
S59	155	(252/500 or 252/513 or 252/521.2) and ferrite	USPAT; US-PGPUB	OR	ON	2005/02/11 15:32
S60	189	(428/64.3 or 428/65.3) and ferrite	USPAT; US-PGPUB	OR	ON	2005/02/11 15:34
S61	1	"20040166372"	USPAT; US-PGPUB	OR	ON	2005/02/14 16:00
S62	1	"20040238796"	USPAT; US-PGPUB	OR	ON	2005/02/15 19:38
S63	0	S62 and (lattice or "x")	USPAT	OR	OFF	2005/02/15 19:39
S64	0	S62 and (crystal or "ray")	USPAT	OR	OFF	2005/02/15 19:40
S65	0	S62 and crystal	USPAT	OR	OFF	2005/02/15 19:41
S66	0	S62 and crystalline	USPAT	OR	OFF	2005/02/15 19:42
S67	1	S62 and crystalline	USPAT; US-PGPUB	OR	OFF	2005/02/15 19:42

S68	0	S62 and (lattice or x or ray)	USPAT; US-PGPUB	OR	OFF	2005/02/15 19:42
S69	0	S62 and (xray)	USPAT; US-PGPUB	OR	OFF	2005/02/15 19:42
S70	0	S62 and (x-ray)	USPAT; US-PGPUB	OR	OFF	2005/02/15 19:42

Temperature-stable low-noise ferrite memory cores

Kuroda, C. Kawashima, T.
Nippon Telegraph and Telephone Public Corporation, Ibaraki, Japan

This paper appears in: **Magnetics, IEEE Transactions on**

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Volume: 5 , Issue: 3
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Abstract:
Temperature-stable low-noise memory cores made from the substituted lithiu nickel ferrites were studied. Ferrite compositions which are suitable for miniat have been developed by studying magnetic properties of the ferrite in the sys and **Ni**-M-M' ferrite (M:Mn, **Fe**, **Co**, **Ni**, Cu, and **Zn**). Technological approache fabricating small memory cores were made by studying the effect of ferrite-p parameters and sintering conditions on magnetic properties of the substitutec Typical pulse characteristics taken with coincident current mode for cores of C and 0.27 mm φ OD are presented. It was found that the **Ni**-Mn-F(II) ferrites for a low-drive high signal-to-noise ratio (dV1/dVz) temperature-stable memc

Index Terms:
Ferrite core memories

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Effect of substitution of divalent ions on the electric magnetic properties of Ni-Zn-Me ferrites

Rezlescu, E. Sachelarie, L. Popa, P.D. Rezlescu, N.
Inst. of Tech. Phys., Isai, Romania ;

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Abstract:
The effect of Cu^{2+}, Cd^{2+}, **Co^{2+}**, Ca^{2+}, Mn^{2+}, and Mg^{2+} ions on the physical pr stoichiometric **$Ni_{0.5}Zn_{0.5}Fe_2O_4$** ferrite is investigated. The specimen is prepar conventional manufacturing method without atmosphere control. The divalent replace one-half the **Ni^{2+}** ion molar content. We found that the magnetic and properties of **Ni-Zn** ferrite changes considerably with the substituent species. ions play an important role in lowering the sintering temperature and increasi Manganese and cobalt ions increase electrical resistivity by about two orders magnitude, while the Ca and Mn ions improve thermal stability of the initial p We also discuss our investigation of the physical properties of the **Ni-Zn**-Me f the basis of site occupation of the cation species in the spinel structure

Index Terms:
density electrical resistivity ferrites magnetic permeability magnetisation nickel cor sintering thermal stability zinc compounds Ca^{2+} Cd^{2+} **Co^{2+}** Cu^{2+} Mg^{2+} Mn^{2+} ferrites $Ni_{0.5}Zn_{0.5}Fe_2O_4$ cation species density divalent ions substitution electrical initial permeability magnetic properties physical properties sintering temperature sit occupation spinel structure stoichiometric $Ni_{0.5}Zn_{0.5}Fe_2O_4$ ferrite thermal stability

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